Index of Authors

AHMED Faruk *see* FARUQUE Md.Omar, KHAN Moududur Rahman, RAHMAN Md.Mostafizur & AHMED Faruk Relationship between smoking and antioxidant nutrient status. 625

ÅKESSON B. *see* HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

ALAMOWITCH Catherine *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

ALFAHAM Mazin, WOODHEAD Stuart, PASK Gunilla & DAVIES David Vitamin D deficiency: a concern in pregnant Asian women. 881

ALFÉREZ M.J.M. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

ALFREDO MARTÍNEZ J., ESPARZA M. Luisa & LARRALDE Jesús Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. 87

ANDERSON Annie S., CAMPBELL Doris M. & SHEPHERD Richard The influence of dietary advice on nutrient intake during pregnancy. 163

ARMOUR Julia C. *see* GRANT George, DORWARD Patricia M., BUCHAN Wendy C., ARMOUR Julia C. & PUSZTAI Arpad Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. 17

ARYA P. *see* TANEJA S.K., CHADHA S. & ARYA P. Lipid–zinc interaction: its effect on the testes of mice. 723

ASP N.-G. *see* ÖNNING G. & ASP N.-G. Effect of oat saponins on plasma and liver lipids in gerbils (*Meriones unguiculatus*) and rats. 275

ASTRUP Arne *see* RABEN Anne, TAGLIABUE Anna & ASTRUP Arne The reproducibility of subjective appetite scores. 517

ATWOOD C.S. *see* BIRD P.H., ATWOOD C.S. & HARTMANN P.E. The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. 753

BALCELLS J. *see* ORUE S.M. Martin, BALCELLS J., GUADA J.A. & CASTRILLO C. Endogenous purine and pyrimidine derivative excretion in pregnant sows. 375

BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

BARÓ Luis *see* BOZA Julio J., MARTÍNEZ-AUGUSTIN Olga, BARÓ Luis, DOLORES SUAREZ M. & GIL Angel Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. 65

BARRIONUEVO M. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

BATES C. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

BATTERHAM E.S. *see* VAN BARNEVELD R.J., BATTERHAM E.S., SKINGLE D.C. & NORTON B.W. The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). 259

BAUMONT R. *see* VAN OS M., DULPHY J.P. & BAUMONT R. The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. 51

BAUMONT René *see* VAN MILGEN Jaap & BAUMONT René Models based on variable fractional digestion rates to describe ruminal *in situ* digestion. 793

BECKER K. *see* MAKKAR H.P.S., BLÜMMEL M. & BECKER K. Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. 897

BENATI Giuseppe *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

BERGER Anne-Marie *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

BERNER Y. *see* SKLAN D., TRIFON S., KEDAR O., VAISMAN N. & BERNER Y. Retinoid metabolism in human leucocytes. 889

BEYNEN Anton C. *see* HEIJNEN Marie-Louise A., DEURENBERG Paul, VAN AMELSVOORT Johan M.M. & BEYNEN Anton C. Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. 423

BEYNEN Anton C. *see* YU Shiguang & BEYNEN Anton C. High tin intake reduces copper status in rats through inhibition of copper absorption. 863

BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

BIRD P.H., ATWOOD C.S. & HARTMANN P.E. The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. 753

BLACK A.E. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

BLANCO Carlos E. *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

BLÜMMEL M. *see* MAKKAR H.P.S., BLÜMMEL M. & BECKER K. Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. 897

BOEKHOUDT Piet *see* WESTERTERP Klaas R., DONKERS Jeroen H.H.L.M., FREDRIX Elisabeth W.H.M. & BOEKHOUDT Piet Energy intake, physical activity and body weight: a simulation model. 337

BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

BORNET Francis R.J. *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

BOSCH Marlou W. & BRUINING Marianne Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. 41

BOZA Julio J., MARTÍNEZ-AUGUSTIN Olga, BARÓ Luis, DOLORES SUAREZ M. & GIL Angel Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. 65

BRAND MILLER Janette, PANG Edna & BROOMHEAD Louise The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. 613

BROOMHEAD Louise *see* BRAND MILLER Janette, PANG Edna & BROOMHEAD Louise The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. 613

BROWN David S. *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

BROWN D.S. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

BRUINING Marianne *see* BOSCH Marlou W. & BRUINING Marianne Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. 41

BRUZZO Françoise *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

BUCHAN Wendy C. *see* GRANT George, DORWARD Patricia M., BUCHAN Wendy C., ARMOUR Julia C. & PUSZTAI Arpad Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. 17

BUCHANAN-SMITH J.G. *see* DHANOA M.S., FRANCE J., SIDDONS R.C., LOPEZ S. & BUCHANAN-SMITH J.G. A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. 3

BULÉON A. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

BURK R.F. *see* HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

CALDER A.G. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

CAMPBELL Doris M. *see* ANDERSON Annie S., CAMPBELL Doris M. & SHEPHERD Richard The influence of dietary advice on nutrient intake during pregnancy. 163

CAMPOS M.S. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

CARTER C.G. *see* PERERA W.M.K., CARTER C.G. & HOULIHAN D.F. Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. 591

CASSIDY A. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

CASTRILLO C. *see* ORUE S.M. Martin, BALCELLS J., GUADA J.A. & CASTRILLO C. Endogenous purine and pyrimidine derivative excretion in pregnant sows. 375

CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

CHADHA S. *see* TANEJA S.K., CHADHA S. & ARYA P. Lipid–zinc interaction: its effect on the testes of mice. 723

CHAMP M. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

CHEN X.B. *see* LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

COLE T.J. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

COLIN Raymond *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

COLONNA P. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

CONNELL A. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

COUDRAY-LUCAS Colette *see* DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS

Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

CYNOBER Luc *see* DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

DAVIES David *see* ALFAHAM Mazin, WOODHEAD Stuart, PASK Gunilla & DAVIES David Vitamin D deficiency: a concern in pregnant Asian women. 881

DAY N.E. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

DEB. HOVELL F.D. *see* ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

DE DECKERE Emile A.M., KLOOTS Willem J. & VAN AMELSVOORT Johan M.M. Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. 287

DE JONG André E.P. *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

DEURENBERG Paul, TAGLIABUE Anna & SCHOUTEN Frans J.M. Multi-frequency impedance for the prediction of extracellular water and total body water. 349

DEURENBERG Paul *see* HEIJNEN Marie-Louise A., DEURENBERG Paul, VAN AMELSVOORT Johan M.M. & BEYNEN Anton C. Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. 423

DHANOA M.S., FRANCE J., SIDDONS R.C., LOPEZ S. & BUCHANAN-SMITH J.G. A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. 3

DI SARIO Antonio *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

DOLORES SUAREZ M. *see* BOZA Julio J., MARTÍNEZ-AUGUSTIN Olga, BARÓ Luis, DOLORES SUAREZ M. & GIL Angel Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. 65

DONKERS Jeroen H.H.L.M. *see* WESTERTERP Klaas R., DONKERS Jeroen H.H.L.M., FREDRIX Elisabeth W.H.M. & BOEKHOUDT Piet Energy intake, physical activity and body weight: a simulation model. 337

DORWARD Patricia M. *see* GRANT George, DORWARD Patricia M., BUCHAN Wendy C., ARMOUR Julia C. & PUSZTAI Arpad Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. 17

DROUET Ludovic *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

DUGUID Tracey J. *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

DULPHY J.P. *see* VAN OS M., DULPHY J.P. & BAUMONT R. The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. 51

DUNSHEA F.R. & KING R.H. Responses to homeostatic signals in ractopamine-treated pigs. 809

DURAND D. *see* ORTIGUES Isabelle & DURAND D. Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. 209

ĐURIĆ M. *see* ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

EASTWOOD M.A. *see* EDWARDS C.A. & EASTWOOD M.A. Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. 773

EDWARDS C.A. *see* KLIPSTEIN-GROBUSCH K., REILLY J.J., POTTER J., EDWARDS C.A. & ROBERTS M.A. Energy intake and expenditure in elderly patients admitted to hospital with acute illness. 323

EDWARDS C.A. & EASTWOOD M.A. Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. 773

EGGUM Bjørn O. *see* ZHAO Xinquan, JØRGENSEN Henry & EGGUM Bjørn O. The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. 687

EGUCHI M. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

EMMANS G.C. *see* KYRIAZAKIS I. & EMMANS G.C. The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. 191

ENGLYST Hans N. *see* HUDSON Geoffrey J. & ENGLYST Hans N. Dietary intakes of starch and non-starch polysaccharides in a West African village. 655

ESPARZA M. Luisa *see* ALFREDO MARTÍNEZ J., ESPARZA M. Luisa & LARRALDE Jesús Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. 87

FADZLIN R. *see* FRENCH S.J., MURRAY B., RUMSEY R.D.E., FADZLIN R. & READ N.W. Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. 179

FAIRWEATHER-TAIT Susan J. *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

FARNINGHAM D.A.H. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

FARUQUE Md.Omar, KHAN Moududur Rahman, RAHMAN Md.Mostafizur & AHMED Faruk Relationship between smoking and antioxidant nutrient status. 625

FENG Y.L. *see* ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

FIAT Anne-Marie *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

FRANCE J. *see* DHANOA M.S., FRANCE J., SIDDONS R.C., LOPEZ S. & BUCHANAN-SMITH J.G. A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. 3

FRANCOUAL Christine *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

FRAPE D.L. & JONES A.M. Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. 733

FREDRIX Elisabeth W.H.M. *see* WESTERTERP Klaas R., DONKERS Jeroen H.H.L.M., FREDRIX Elisabeth W.H.M. & BOEKHOUDT Piet Energy intake, physical activity and body weight: a simulation model. 337

FRENCH S.J., MURRAY B., RUMSEY R.D.E., FADZLIN R. & READ N.W. Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. 179

FUJIMOTO-SAKATA Shigeko *see* TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

FUKUSHIMA Michihiro & NAKANO Masuo The effect of a probiotic on faecal and liver lipid classes in rats. 701

FULCHER Robert *see* MAISEY Susan, LOUGHRIDGE Julie, SOUTHON Susan & FULCHER Robert Variation in food group and nutrient intake with day of the week in an elderly population. 359

GAINS Nigel *see* ISLER Dorothea, MOEGLEN Christine, GAINS Nigel & MEIER Marcel K. Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. 851

GALMICHE J.P. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

GASBARRINI Giovanni *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

GAUTRON J. *see* GUINOTTE F., GAUTRON J., NYS Y. & SOUMARMON A. Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. 125

GIBOUDEAU Jacqueline *see* DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

GIL Angel *see* BOZA Julio J., MARTÍNEZ-AUGUSTIN Olga, BARÓ Luis, DOLORES SUAREZ M. & GIL Angel Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. 65

GÓMEZ-AYALA A.E. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

GRANT George, DORWARD Patricia M., BUCHAN Wendy C., ARMOUR Julia C. & PUSZTAI Arpad Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. 17

GRANT George *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

GROOTEN H.N.A. *see* WEIJS P.J.M., SCHREURS V.V.A.M. & GROOTEN H.N.A. Meal feeding and leucine utilization in pregnant rats. 253

GUADA J.A. *see* ORUE S.M. Martin, BALCELLS J., GUADA J.A. & CASTRILLO C. Endogenous purine and pyrimidine derivative excretion in pregnant sows. 375

GUINOTTE F., GAUTRON J., NYS Y. & SOUMARMON A. Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. 125

HAMATANI K. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

HANSEN Harald S. *see* OLSEN Sjúrður F., HANSEN Harald S., SANDSTRÖM Brittmarie & JENSEN Benny Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. 387

HANSEN Harald S. *see* OLSEN Sjúrður F., HANSEN Harald S., SECHER Niels J., JENSEN Benny & SANDSTRÖM Brittmarie Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. 397

HARMON D.L. *see* KREIKEMEIER K.K. & HARMON D.L. Abomasal glucose, maize starch and maize dextrin infusions in cattle: small-intestinal disappearance, net portal glucose flux and ileal oligosaccharide flow. 763

HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

HARTMANN P.E. *see* BIRD P.H., ATWOOD C.S. & HARTMANN P.E. The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. 753

HASAART Tom H.M. *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

HASEGAWA S. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

HASEGAWA T. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

HECKETSWEILER Bernadette *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

HEIJNEN Marie-Louise A., DEURENBERG Paul, VAN AMELSVOORT Johan M.M. & BEYNEN Anton C. Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. 423

HESSE Albrecht *see* SIENER Roswitha & HESSE Albrecht Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. 783

HOLDER Roger L. *see* NEVILL Alan M. & HOLDER Roger L. Body mass index: a measure of fatness or leanness? 507

HORNSTRA Gerard *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

HORNSTRA Gerard *see* MENSINK Ronald P. & HORNSTRA Gerard The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. 605

HOULIHAN D.F. *see* PERERA W.M.K., CARTER C.G. & HOULIHAN D.F. Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. 591

HOUWELINGEN Adriana C.V. *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

HUDSON Geoffrey J. Food intake in a West African village. Estimation of food intake from a shared bowl. 551

HUDSON Geoffrey J. & ENGLYST Hans N. Dietary intakes of starch and non-starch polysaccharides in a West African village. 655

ICHINOSE T. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

ISLER Dorothea, MOEGLEN Christine, GAINS Nigel & MEIER Marcel K. Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. 851

IZQUIERDO Carmen *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

JANSMAN A.J.M. *see* VAN LEEUWEN P., JANSMAN A.J.M., WIEBENGA J., KONINKX J.F.J.G. & MOUWEN J.M.V.M. Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. 31

JENSEN Benny *see* OLSEN Sjúrður F., HANSEN Harald S., SANDSTRÖM Brittmarie & JENSEN Benny Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. 387

JENSEN Benny *see* OLSEN Sjúrður F., HANSEN Harald S., SECHER Niels J., JENSEN Benny & SANDSTRÖM Brittmarie Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. 397

JOLLÈS Pierre *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

JONES A.M. *see* FRAPE D.L. & JONES A.M. Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. 733

JØRGENSEN Henry *see* ZHAO Xinquan, JØRGENSEN Henry & EGGUM Bjørn O. The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. 687

KAEFFER Nathalie *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

KANEKO Masae *see* TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

KARINO K.-I. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

KEDAR O. *see* SKLAN D., TRIFON S., KEDAR O., VAISMAN N. & BERNER Y. Retinoid metabolism in human leucocytes. 889

KESTER Arnold D.M. *see* FOREMAN-VAN DRONGELEN Magritha M.H.P., HOUWELINGEN Adriana C.V., KESTER Arnold D.M., DE JONG André E.P., BLANCO Carlos E., HASAART Tom H.M. & HORNSTRA Gerard Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. 405

KETOJA Elise *see* VANHATALO Aila & KETOJA Elise The role of the large intestine in post-ruminal digestion of feeds as measured by the mobile-bag method in cattle. 491

KEY T.J.A. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

KHAN Moududur Rahman *see* FARUQUE Md.Omar, KHAN Moududur Rahman, RAHMAN Md.Mostafizur & AHMED Faruk Relationship between smoking and antioxidant nutrient status. 625

KHAW K.T. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

KIKUGAWA Mariko *see* TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

KING R.H. *see* DUNSHEA F.R. & KING R.H. Responses to homeostatic signals in ractopamine-treated pigs. 809

KLIPSTEIN-GROBUSCH K., REILLY J.J., POTTER J., EDWARDS C.A. & ROBERTS M.A. Energy intake and expenditure in elderly patients admitted to hospital with acute illness. 323

KLOOTS Willem J. *see* DE DECKERE Emile A.M., KLOOTS Willem J. & VAN AMELSVOORT Johan M.M. Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. 287

KONINKX J.F.J.G. *see* VAN LEEUWEN P., JANSMAN A.J.M., WIEBENGA J., KONINKX J.F.J.G. & MOUWEN J.M.V.M. Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. 31

KREIKEMEIER K.K. & HARMON D.L. Abomasal glucose, maize starch and maize dextrin infusions in cattle: small-intestinal disappearance, net portal glucose flux and ileal oligosaccharide flow. 763

KUWATA T. *see* TSUCHITA H. & KUWATA T. Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. 299

KYLE D.J. *see* LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

KYRIAZAKIS I. & EMMANS G.C. The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. 191

KYUNG LIM Soo *see* DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

LARRALDE Jesús *see* ALFREDO MARTÍNEZ J., ESPARZA M. Luisa & LARRALDE Jesús Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. 87

LARTIGUE S. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

LAU Joseph *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph &

FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

LAWLOR Susan M. & O'BRIEN Nora M. Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. 841

LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

LEMELAND Jean-François *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

LEREBOURS Eric *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

LEUNG Sophie S.F. *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

LISBONA F. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

LOBLEY G.E. *see* LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

LOMAX M.A. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

LOPEZ S. *see* DHANOA M.S., FRANCE J., SIDDONS R.C., LOPEZ S. & BUCHANAN-SMITH J.G. A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. 3

LÓPEZ-ALIAGA I. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

LOUGHRIDGE Julie *see* MAISEY Susan, LOUGHRIDGE Julie, SOUTHON Susan & FULCHER Robert Variation in food group and nutrient intake with day of the week in an elderly population. 359

LOUISOT Pierre *see* RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

LUO Jing *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

MACLEOD N.A. *see* ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

MACLEOD N.A. *see* LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

MAISEY Susan, LOUGHRIDGE Julie, SOUTHON Susan & FULCHER Robert Variation in food group and nutrient intake with day of the week in an elderly population. 359

MAKKAR H.P.S., BLÜMMEL M. & BECKER K. Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. 897

MAROUNEK M., VOVK S.J. & SKŘIVANOVÁ V. Distribution of activity of hydrolytic enzymes in the digestive tract of rabbits. 463

MARTIN Ambroise *see* RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

MARTÍNEZ-AUGUSTIN Olga *see* BOZA Julio J., MARTÍNEZ-AUGUSTIN Olga, BARÓ Luis, DOLORES SUAREZ M. & GIL Angel Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. 65

MASUSHIGE S. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

MATHEIX-FORTUNET Hélène *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

MAZOYER Elisabeth *see* CHABANCE Beatrice, JOLLÈS Pierre, IZQUIERDO Carmen, MAZOYER Elisabeth, FRANCOUAL Christine, DROUET Ludovic & FIAT Anne-Marie Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. 583

MEIER Marcel K. *see* ISLER Dorothea, MOEGLEN Christine, GAINS Nigel & MEIER Marcel K. Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. 851

MENSINK Ronald P. & HORNSTRA Gerard The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. 605

MILNE E. *see* LOBLEY G.E., CONNELL A., LOMAX M.A., BROWN D.S., MILNE E., CALDER A.G. & FARNINGHAM D.A.H. Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. 667

MITCHELL A.D. *see* ROSEBROUGH R.W. & MITCHELL A.D. Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T_3) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate *in vitro*. 73

MOEGLEN Christine *see* ISLER Dorothea, MOEGLEN Christine, GAINS Nigel & MEIER Marcel K. Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. 851

MOLIS C. *see* FAISANT N., BULÉON A., COLONNA P., MOLIS C., LARTIGUE S., GALMICHE J.P. & CHAMP M. Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. 111

MOUWEN J.M.V.M. *see* VAN LEEUWEN P., JANSMAN A.J.M., WIEBENGA J., KONINKX J.F.J.G. & MOUWEN J.M.V.M. Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. 31

MURRAY B. *see* FRENCH S.J., MURRAY B., RUMSEY R.D.E., FADZLIN R. & READ N.W. Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. 179

NAGASAKI A. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

NAGASAWA J. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

NAKANO Masuo *see* FUKUSHIMA Michihiro & NAKANO Masuo The effect of a probiotic on faecal and liver lipid classes in rats. 701

NEVILL Alan M. & HOLDER Roger L. Body mass index: a measure of fatness or leanness? 507

NORMAND Sylvie *see* RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

NORTON B.W. *see* VAN BARNEVELD R.J., BATTERHAM E.S., SKINGLE D.C. & NORTON B.W. The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). 259

NYS Y. *see* GUINOTTE F., GAUTRON J., NYS Y. & SOUMARMON A. Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. 125

O'BRIEN Nora M. *see* LAWLOR Susan M. & O'BRIEN Nora M. Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. 841

OGASAWARA J. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M.,

ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

OKUMORI H. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

OLSEN Sjúrður F., HANSEN Harald S., SANDSTRÖM Brittmarie & JENSEN Benny Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. 387

OLSEN Sjúrður F., HANSEN Harald S., SECHER Niels J., JENSEN Benny & SANDSTRÖM Brittmarie Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. 397

ÖNNING G. & ASP N.-G. Effect of oat saponins on plasma and liver lipids in gerbils (*Meriones unguiculatus*) and rats. 275

ONOSAKA Satomi *see* TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

ØRSKOV E.R. *see* ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

ØRSKOV E.R. *see* LIU S.M., LOBLEY G.E., MACLEOD N.A., KYLE D.J., CHEN X.B. & ØRSKOV E.R. Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. 829

ORTIGUES Isabelle & DURAND D. Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. 209

ORUE S.M. Martin, BALCELLS J., GUADA J.A. & CASTRILLO C. Endogenous purine and pyrimidine derivative excretion in pregnant sows. 375

PÁCHA J. & POHLOVÁ I. Relationship between dietary Na^+ intake, aldosterone and colonic amiloride-sensitive Na^+ transport. 633

PACHIAUDI Christiane *see* RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

PALLARÉS I. *see* HARTITI S., BARRIONUEVO M., LÓPEZ-ALIAGA I., LISBONA F., PALLARÉS I., ALFÉREZ M.J.M., GÓMEZ-AYALA A.E. & CAMPOS M.S. Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. 871

PANG Edna *see* BRAND MILLER Janette, PANG Edna & BROOMHEAD Louise The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. 613

PANNEMANS Daphne L.E. & WESTERTERP Klaas R. Energy expenditure, physical activity and basal metabolic rate of elderly subjects. 571

PASK Gunilla *see* ALFAHAM Mazin, WOODHEAD Stuart, PASK Gunilla & DAVIES David Vitamin D deficiency: a concern in pregnant Asian women. 881

PASSERI Mario *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

PERERA W.M.K., CARTER C.G. & HOULIHAN D.F. Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. 591

PETIT Jean *see* COLOMB Virginie, PETIT Jean, MATHEIX-FORTUNET Hélène, HECKETSWEILER Bernadette, KAEFFER Nathalie, LEREBOURS Eric, COLIN Raymond & LEMELAND Jean-François Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. 99

PINCHASOV Y. Early transition of the digestive system to exogenous nutrition in domestic post-hatch birds. 471

PINTO Martina L. & SHETTY P.S. Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. 645

POHLOVÁ I. *see* PÁCHA J. & POHLOVÁ I. Relationship between dietary Na^+ intake, aldosterone and colonic amiloride-sensitive Na^+ transport. 633

POTTER J. *see* KLIPSTEIN-GROBUSCH K., REILLY J.J., POTTER J., EDWARDS C.A. & ROBERTS M.A. Energy intake and expenditure in elderly patients admitted to hospital with acute illness. 323

POUPON Raoul *see* DE BANDT Jean Pascal, CYNOBER Luc, KYUNG LIM Soo, COUDRAY-LUCAS Colette, POUPON Raoul & GIBOUDEAU Jacqueline Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. 227

POWERS H.J. *see* WILLIAMS E.A., POWERS H.J. & RUMSEY R.D.E. Morphological changes in the rat small intestine in response to riboflavin depletion. 141

PUSZTAI Arpad *see* GRANT George, DORWARD Patricia M., BUCHAN Wendy C., ARMOUR Julia C. & PUSZTAI Arpad Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. 17

PUSZTAI Arpad *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

RABEN Anne, TAGLIABUE Anna & ASTRUP Arne The reproducibility of subjective appetite scores. 517

RAHMAN Md.Mostafizur *see* FARUQUE Md.Omar, KHAN Moududur Rahman, RAHMAN Md.Mostafizur & AHMED Faruk Relationship between smoking and antioxidant nutrient status. 625

RALPH Ann *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

READ N.W. *see* FRENCH S.J., MURRAY B., RUMSEY R.D.E., FADZLIN R. & READ N.W. Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. 179

REILLY J.J. *see* KLIPSTEIN-GROBUSCH K., REILLY J.J., POTTER J., EDWARDS C.A. & ROBERTS M.A. Energy intake and expenditure in elderly patients admitted to hospital with acute illness. 323

RIOU Jean-Paul *see* RAMBAL Corinne, PACHIAUDI Christiane, NORMAND Sylvie, RIOU Jean-Paul, LOUISOT Pierre & MARTIN Ambroise Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. 443

ROBERTS M.A. *see* KLIPSTEIN-GROBUSCH K., REILLY J.J., POTTER J., EDWARDS C.A. & ROBERTS M.A. Energy intake and expenditure in elderly patients admitted to hospital with acute illness. 323

ROSEBROUGH R.W. & MITCHELL A.D. Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T_3) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate *in vitro*. 73

RUMSEY R.D.E. *see* WILLIAMS E.A., POWERS H.J. & RUMSEY R.D.E. Morphological changes in the rat small intestine in response to riboflavin depletion. 141

RUMSEY R.D.E. *see* FRENCH S.J., MURRAY B., RUMSEY R.D.E., FADZLIN R. & READ N.W. Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. 179

RUNSWICK S.A. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

SANDSTRÖM Brittmarie *see* OLSEN Sjúrður F., HANSEN Harald S., SANDSTRÖM Brittmarie & JENSEN Benny Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. 387

SANDSTRÖM Brittmarie *see* OLSEN Sjúrður F., HANSEN Harald S., SECHER Niels J., JENSEN Benny & SANDSTRÖM Brittmarie Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. 397

SCHOUTEN Frans J.M. *see* DEURENBERG Paul, TAGLIABUE Anna & SCHOUTEN Frans J.M. Multi-frequency impedance for the prediction of extracellular water and total body water. 349

SCHREURS V.V.A.M. *see* WEIJS P.J.M., SCHREURS V.V.A.M. & GROOTEN H.N.A. Meal feeding and leucine utilization in pregnant rats. 253

SCHÜTZ A. *see* HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

SECHER Niels J. *see* OLSEN Sjúrður F., HANSEN Harald S., SECHER Niels J., JENSEN Benny & SANDSTRÖM Brittmarie Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. 397

SHEPHERD Richard *see* ANDERSON Annie S., CAMPBELL Doris M. & SHEPHERD Richard The influence of dietary advice on nutrient intake during pregnancy. 163

SHETTY P.S. *see* PINTO Martina L. & SHETTY P.S. Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. 645

SIDDONS R.C. *see* DHANOA M.S., FRANCE J., SIDDONS R.C., LOPEZ S. & BUCHANAN-SMITH J.G. A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. 3

SIENER Roswitha & HESSE Albrecht Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. 783

SKERFVING S. *see* HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

SKINGLE D.C. *see* VAN BARNEVELD R.J., BATTERHAM E.S., SKINGLE D.C. & NORTON B.W. The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). 259

SKLAN D., TRIFON S., KEDAR O., VAISMAN N. & BERNER Y. Retinoid metabolism in human leucocytes. 889

SKŘIVANOVÁ V. *see* MAROUNEK M., VOVK S.J. & SKŘIVANOVÁ V. Distribution of activity of hydrolytic enzymes in the digestive tract of rabbits. 463

SLAMA Gerard *see* BOILLOT Josette, ALAMOWITCH Catherine, BERGER Anne-Marie, LUO Jing, BRUZZO Françoise, BORNET Francis R.J. & SLAMA Gerard Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. 241

SOUMARMON A. *see* GUINOTTE F., GAUTRON J., NYS Y. & SOUMARMON A. Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. 125

SOUTHGATE D.A.T. Design models. 1

SOUTHGATE D.A.T. Nutrient bandwagons. 153

SOUTHGATE D.A.T. On the quality of nutritional data. 335

SOUTHGATE D.A.T. Multiplying publications. 489

SOUTHGATE D.A.T. Have you read the paper? 643

SOUTHGATE D.A.T. Confounded by time. 791

SOUTHON Susan *see* MAISEY Susan, LOUGHRIDGE Julie, SOUTHON Susan & FULCHER Robert Variation in food group and nutrient intake with day of the week in an elderly population. 359

STROCCHI Alessandra *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

SVENSSON B.G. *see* HUANG W., ÅKESSON B., SVENSSON B.G., SCHÜTZ A., BURK R.F. & SKERFVING S. Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. 455

TAGLIABUE Anna *see* DEURENBERG Paul, TAGLIABUE Anna & SCHOUTEN Frans J.M. Multi-frequency impedance for the prediction of extracellular water and total body water. 349

TAGLIABUE Anna *see* RABEN Anne, TAGLIABUE Anna & ASTRUP Arne The reproducibility of subjective appetite scores. 517

TAGO K. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

TAKAGI Tatsuya *see* TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

TAKAHASHI M. *see* KATO S., KARINO K.-I., HASEGAWA S., NAGASAWA J., NAGASAKI A., EGUCHI M., ICHINOSE T., TAGO K., OKUMORI H., HAMATANI K., TAKAHASHI M., OGASAWARA J., MASUSHIGE S. & HASEGAWA T. Octacosonal affects lipid metabolism in rats fed on a high-fat diet. 433

TAMAKI Nanaya, FUJIMOTO-SAKATA Shigeko, KIKUGAWA Mariko, KANEKO Masae, ONOSAKA Satomi & TAKAGI Tatsuya Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). 711

TANEJA S.K., CHADHA S. & ARYA P. Lipid–zinc interaction: its effect on the testes of mice. 723

TAROZZI Carlo *see* CORAZZA Gino R., BENATI Giuseppe, DI SARIO Antonio, TAROZZI Carlo, STROCCHI Alessandra, PASSERI Mario & GASBARRINI Giovanni Lactose intolerance and bone mass in postmenopausal Italian women. 479

THURNHAM D. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

TRIFON S. *see* SKLAN D., TRIFON S., KEDAR O., VAISMAN N. & BERNER Y. Retinoid metabolism in human leucocytes. 889

TSUCHITA H. & KUWATA T. Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. 299

VAISMAN N. *see* SKLAN D., TRIFON S., KEDAR O., VAISMAN N. & BERNER Y. Retinoid metabolism in human leucocytes. 889

VAN AMELSVOORT Johan M.M. *see* DE DECKERE Emile A.M., KLOOTS Willem J. & VAN AMELSVOORT Johan M.M. Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. 287

VAN AMELSVOORT Johan M.M. *see* HEIJNEN Marie-Louise A., DEURENBERG Paul, VAN AMELSVOORT Johan M.M. & BEYNEN Anton C. Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. 423

VAN BARNEVELD R.J., BATTERHAM E.S., SKINGLE D.C. & NORTON B.W. The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). 259

VANHATALO Aila & KETOJA Elise The role of the large intestine in post-ruminal digestion of feeds as measured by the mobile-bag method in cattle. 491

VAN LEEUWEN P., JANSMAN A.J.M., WIEBENGA J., KONINKX J.F.J.G. & MOUWEN J.M.V.M. Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. 31

VAN MILGEN Jaap & BAUMONT René Models based on variable fractional digestion rates to describe ruminal *in situ* digestion. 793

VAN OS M., DULPHY J.P. & BAUMONT R. The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. 51

VOVK S.J. *see* MAROUNEK M., VOVK S.J. & SKŘIVANOVÁ V. Distribution of activity of hydrolytic enzymes in the digestive tract of rabbits. 463

WANG S.H. *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

WEIJS P.J.M., SCHREURS V.V.A.M. & GROOTEN H.N.A. Meal feeding and leucine utilization in pregnant rats. 253

WELCH A. *see* BINGHAM S.A., CASSIDY A., COLE T.J., WELCH A., RUNSWICK S.A., BLACK A.E., THURNHAM D., BATES C., KHAW K.T., KEY T.J.A. & DAY N.E. Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. 531

WESTERTERP Klaas R., DONKERS Jeroen H.H.L.M., FREDRIX Elisabeth W.H.M. & BOEKHOUDT Piet Energy intake, physical activity and body weight: a simulation model. 337

WESTERTERP Klaas R. *see* PANNEMANS Daphne L.E. & WESTERTERP Klaas R. Energy expenditure, physical activity and basal metabolic rate of elderly subjects. 571

WHITE Ann *see* BARDÓCZ Susan, DUGUID Tracey J., BROWN David S., GRANT George, PUSZTAI Arpad, WHITE Ann & RALPH Ann The importance of dietary polyamines in cell regeneration and growth. 819

WIEBENGA J. *see* VAN LEEUWEN P., JANSMAN A.J.M., WIEBENGA J., KONINKX J.F.J.G. & MOUWEN J.M.V.M. Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. 31

WILLIAMS E.A., POWERS H.J. & RUMSEY R.D.E. Morphological changes in the rat small intestine in response to riboflavin depletion. 141

WOODHEAD Stuart *see* ALFAHAM Mazin, WOODHEAD Stuart, PASK Gunilla & DAVIES David Vitamin D deficiency: a concern in pregnant Asian women. 881

XU Y.C. *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

YU Shiguang & BEYNEN Anton C. High tin intake reduces copper status in rats through inhibition of copper absorption. 863

ZENG W.P. *see* LEE Warren T.K., LEUNG Sophie S.F., XU Y.C., WANG S.H., ZENG W.P., LAU Joseph & FAIRWEATHER-TAIT Susan J. Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). 311

ZHAO G.Y., ĐURIĆ M., MACLEOD N.A., ØRSKOV E.R., DEB. HOVELL F.D. & FENG Y.L. The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. 155

ZHAO Xinquan, JØRGENSEN Henry & EGGUM Bjørn O. The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. 687

Index of Subjects

Absorption
Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. **73**, 851, 1995

Acute illness
Energy intake and expenditure in elderly patients admitted to hospital with acute illness. **73**, 323, 1995

Adipose tissue
Octacosonal affects lipid metabolism in rats fed on a high-fat diet. **73**, 433, 1995

β-Agonist
Responses to homeostatic signals in ractopamine-treated pigs. **73**, 809, 1995

Aldosterone
Relationship between dietary sodium intake, aldosterone and colonic amiloride-sensitive Na^+ transport. **73**, 633, 1995

Amines
The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. **73**, 51, 1995

Amino acids
Meal feeding and leucine utilization in pregnant rats. **73**, 253, 1995
Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. **73**, 667, 1995

Ammonia
The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. **73**, 51, 1995
Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. **73**, 667, 1995

Amylolytic capability
Early transition of the digestive system to exogenous nutrition in domestic post-hatch birds. **73**, 471, 1995

Antibiotics
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. **73**, 99, 1995

Antioxidants
Relationship between smoking and antioxidant nutrient status. **73**, 625, 1995
Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. **73**, 841, 1995

Antithrombotic peptides
Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. **73**, 583, 1995

Appetite
The reproducibility of subjective appetite scores. **73**, 517, 1995

Arachidonic acid
Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. **73**, 405, 1995

Arginine
Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. **73**, 227, 1995

Ascorbic acid
Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. **73**, 871, 1995

Bacterial single-cell protein
Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. **73**, 591, 1995

Banana
Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. **73**, 111, 1995

Basal metabolic rate
Energy expenditure, physical activity and basal metabolic rate of elderly subjects. **73**, 571, 1995

Bile
The effect of a probiotic on faecal and liver lipid classes in rats. **73**, 701, 1995
High tin intake reduces copper status in rats through inhibition of copper absorption. **73**, 863, 1995

Bioavailability
The importance of dietary polyamines in cell regeneration and growth. **73**, 819, 1995

Birth weight
Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. **73**, 397, 1995
Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. **73**, 645, 1995

Blood biochemistry
The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. **73**, 753, 1995

Body composition
Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. **73**, 17, 1995

Multi-frequency impedance for the prediction of extracellular water and total body water. **73**, 349, 1995

Body fat
Body mass index: a measure of fatness or leanness? **73**, 507, 1995

Body water
Multi-frequency impedance for the prediction of extracellular water and total body water. **73**, 349, 1995

Bone
Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. **73**, 299, 1995

Caecal fermentation
Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. **73**, 773, 1995

Calcium
Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. **73**, 125, 1995
Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. **73**, 299, 1995
Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). **73**, 311, 1995
Lactose intolerance and bone mass in postmenopausal Italian women. **73**, 479, 1995
Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. **73**, 783, 1995

Carbohydrates
The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. **73**, 613, 1995

β-Carotene
Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. **73**, 841, 1995

Casein
Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. **73**, 583, 1995

Cell regeneration
The importance of dietary polyamines in cell regeneration and growth. **73**, 819, 1995

Chicken embryo fibroblasts
Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. **73**, 841, 1995

Childhood
Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). **73**, 311, 1995

Cholecalciferol
Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. **73**, 871, 1995

Cholecystokinin
Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. **73**, 179, 1995

Cholesterol
The effect of a probiotic on faecal and liver lipid classes in rats. **73**, 701, 1995
Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. **73**, 733, 1995

Colon
Relationship between dietary sodium intake, aldosterone and colonic amiloride-sensitive Na^+ transport. **73**, 633, 1995

Compartmental model
A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. **73**, 3, 1995

Copper
High tin intake reduces copper status in rats through inhibition of copper absorption. **73**, 863, 1995

Cosinor analysis
Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). **73**, 711, 1995

Cytochrome P-450
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. **73**, 99, 1995

Dietary advice
The influence of dietary advice on nutrient intake during pregnancy. **73**, 163, 1995

Dietary assessment
Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. **73**, 531, 1995

Dietary fibre
Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. **73**, 733, 1995

Dietary fish intake
Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. **73**, 455, 1995

Dietary intake
Variation in food group and nutrient intake with day of the week in an elderly population. **73**, 359, 1995
The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. **73**, 605, 1995
Dietary intakes of starch and non-starch polysaccharides in a West African village. **73**, 655, 1995
Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. **73**, 783, 1995

Dietary methods
Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. **73**, 387, 1995
Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. **73**, 397, 1995

Dietary nitrogen
Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. **73**, 531, 1995

Dietary protein
Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T_3) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate *in vitro*. **73**, 73, 1995

Dietary sugars
Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. **73**, 443, 1995

Diet-induced thermogenesis
Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. **73**, 423, 1995

Digesta kinetics
Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. **73**, 41, 1995

Digestibility
Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. **73**, 897, 1995

Digestive tract
Distribution of activity of hydrolytic enzymes in the digestive tract of rabbits. **73**, 463, 1995

Docosahexaenoic acid
Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. **73**, 405, 1995

Editorial
Design models. **73**, 1, 1995
Nutrient bandwagons. **73**, 153, 1995
On the quality of nutritional data. **73**, 335, 1995
Multiplying publications. **73**, 489, 1995
Have you read the paper? **73**, 643, 1995
Confounded by time. **73**, 791, 1995

Elderly
Energy intake and expenditure in elderly patients admitted to hospital with acute illness. **73**, 323, 1995
Variation in food group and nutrient intake with day of the week in an elderly population. **73**, 359, 1995
Energy expenditure, physical activity and basal metabolic rate of elderly subjects. **73**, 571, 1995

Energy balance
Energy intake and expenditure in elderly patients admitted to hospital with acute illness. **73**, 323, 1995

Energy expenditure
Food intake in a West African village. Estimation of food intake from a shared bowl. **73**, 551, 1995
Energy expenditure, physical activity and basal metabolic rate of elderly subjects. **73**, 571, 1995

Energy intake
Energy intake, physical activity and body weight: a simulation model. **73**, 337, 1995
Food intake in a West African village. Estimation of food intake from a shared bowl. **73**, 551, 1995

Energy metabolism
Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. **73**, 209, 1995
Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. **73**, 287, 1995

Enzyme activities
Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. **73**, 31, 1995

Erythrocytes
Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. **73**, 387, 1995

Exercise
Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. **73**, 645, 1995

Extracellular water
Multi-frequency impedance for the prediction of extracellular water and total body water. **73**, 349, 1995

Faeces
The effect of a probiotic on faecal and liver lipid classes in rats. **73**, 701, 1995
Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. **73**, 773, 1995

Fat
Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. **73**, 179, 1995

Fatty acids
Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. **73**, 241, 1995

Feed intake
The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. **73**, 51, 1995
The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. **73**, 191, 1995
Meal feeding and leucine utilization in pregnant rats. **73**, 253, 1995

Field peas
The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). **73**, 259, 1995

Food intake
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. **73**, 99, 1995

Adaptation to high-fat diets: effects on eating behaviour and plasma cholecystokinin. **73**, 179, 1995
Food intake in a West African village. Estimation of food intake from a shared bowl. **73**, 551, 1995

Forage
A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. **73**, 3, 1995

Formula milk
Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. **73**, 405, 1995

Galactose
The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. **73**, 753, 1995

Gas production
Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. **73**, 897, 1995

Gastric acid
Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. **73**, 125, 1995

Gastrointestinal tract
Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. **73**, 17, 1995
The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. **73**, 191, 1995
Early transition of the digestive system to exogenous nutrition in domestic post-hatch birds. **73**, 471, 1995

Gestation length
Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. **73**, 397, 1995

Glucose
Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. **73**, 241, 1995
Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. **73**, 423, 1995
Responses to homeostatic signals in ractopamine-treated pigs. **73**, 809, 1995

Glutathione
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. **73**, 99, 1995

Glutathione peroxidase
Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. **73**, 455, 1995

Glycaemic index
The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. **73**, 613, 1995

Glycosylation
Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. **73**, 443, 1995

Growth
Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. **73**, 591, 1995
Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. **73**, 645, 1995

Gutfill
The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. **73**, 687, 1995

H_2 breath test
Lactose intolerance and bone mass in postmenopausal Italian women. **73**, 479, 1995

Heat increment
The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. **73**, 687, 1995

Heat treatment
The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). **73**, 259, 1995

Hormones
Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. **73**, 299, 1995

Human milk
Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. **73**, 405, 1995

Hunger
The reproducibility of subjective appetite scores. **73**, 517, 1995

Hydrolytic enzymes
Distribution of activity of hydrolytic enzymes in the digestive tract of rabbits. **73**, 463, 1995

Immune response
Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. **73**, 87, 1995

Infants
Characterization of an antithrombotic peptide from κ-casein in newborn plasma after milk ingestion. **73**, 583, 1995

Insulin
Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. **73**, 241, 1995

Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. **73**, 423, 1995
The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. **73**, 613, 1995
Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. **73**, 733, 1995

Intragastric infusion
Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. **73**, 829, 1995

Intra-subject variation
Variation in food group and nutrient intake with day of the week in an elderly population. **73**, 359, 1995

Iron
Effects of intestinal resection, cholecalciferol and ascorbic acid on iron metabolism in rats. **73**, 871, 1995

α-Ketoglutarate
Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. **73**, 227, 1995

Lactation
Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. **73**, 645, 1995

Lactose
Lactose intolerance and bone mass in postmenopausal Italian women. **73**, 479, 1995
The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. **73**, 753, 1995

Large intestine
The role of the large intestine in post-ruminal digestion of feeds as measured by the mobile-bag method in cattle. **73**, 491, 1995

Lean body mass
Body mass index: a measure of fatness or leanness? **73**, 507, 1995

Legumes
Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. **73**, 17, 1995

Letters to the Editors
Trends in fat consumption. **73**, 147, 1995
Trends in fat intake in the UK. **73**, 148, 1995
Bioavailability of nutrients. **73**, 150, 1995

Leucine
Meal feeding and leucine utilization in pregnant rats. **73**, 253, 1995

Leucocytes
Retinoid metabolism in human leucocytes. **73**, 889, 1995

Lipase inhibitor
Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. **73**, 851, 1995

Lipid intake
Lipid–zinc interaction: its effect on the testes of mice. **73**, 723, 1995

Lipid metabolism
Effect of oat saponins on plasma and liver lipids in gerbils (*Meriones unguiculatus*) and rats. **73**, 275, 1995
Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. **73**, 287, 1995
Octacosonal affects lipid metabolism in rats fed on a high-fat diet. **73**, 433, 1995

Lipid–zinc interaction
Lipid–zinc interaction: its effect on the testes of mice. **73**, 723, 1995

Lipogenesis
Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T_3) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate *in vitro*. **73**, 73, 1995

Lithiasis
Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. **73**, 783, 1995

Liver
Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. **73**, 209, 1995
Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. **73**, 227, 1995
Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. **73**, 241, 1995
Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. **73**, 667, 1995

Magnesium
Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. **73**, 783, 1995

Marine *n*-3 fatty acids
Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. **73**, 387, 1995
Gestation length and birth weight in relation to intake of marine *n*-3 fatty acids. **73**, 397, 1995

Mass spectrometry
Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. **73**, 443, 1995

Metabolism
High tin intake reduces copper status in rats through inhibition of copper absorption. **73**, 863, 1995

Microbial activity
Models based on variable fractional digestion rates to describe ruminal *in situ* digestion. **73**, 793, 1995

Milk
The responses of blood galactose to oral doses of lactose, galactose plus glucose and milk to piglets. **73**, 753, 1995

Mobile-bag method
The role of the large intestine in post-ruminal digestion of feeds as measured by the mobile-bag method in cattle. **73**, 491, 1995
Models
Models based on variable fractional digestion rates to describe ruminal *in situ* digestion. **73**, 793, 1995
Multi-frequency impedance
Multi-frequency impedance for the prediction of extracellular water and total body water. **73**, 349, 1995
Nitrogen
Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. **73**, 65, 1995
The effect of heat on amino acids for growing pigs. 4. Nitrogen balance and urine, serum and plasma composition of growing pigs fed on raw or heat-treated field peas (*Pisum sativum*). **73**, 259, 1995
Nitrogen balance
Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. **73**, 591, 1995
Non-esterified fatty acids
Responses to homeostatic signals in ractopamine-treated pigs. **73**, 809, 1995
Non-starch polysaccharides
Dietary intakes of starch and non-starch polysaccharides in a West African village. **73**, 655, 1995
The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. **73**, 687, 1995
Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. **73**, 773, 1995
Nutrient intake
The influence of dietary advice on nutrient intake during pregnancy. **73**, 163, 1995
Nutritional status
Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. **73**, 87, 1995
Nutritional supplementation
Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). **73**, 311, 1995
Oats
Effect of oat saponins on plasma and liver lipids in gerbils (*Meriones unguiculatus*) and rats. **73**, 275, 1995
Octacosanol
Octacosonal affects lipid metabolism in rats fed on a high-fat diet. **73**, 433, 1995
Omeprazole
Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. **73**, 125, 1995
Ornithine
Metabolism of ornithine, α-ketoglutarate and arginine in isolated perfused rat liver. **73**, 227, 1995
Osmotic pressure
The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. **73**, 155, 1995
Osteoporosis
Lactose intolerance and bone mass in postmenopausal Italian women. **73**, 479, 1995
Oxidative stress
Modulation of oxidative stress by β-carotene in chicken embryo fibroblasts. **73**, 841, 1995
Pancreas
Consumption of diets containing raw soya beans (*Glycine max*), kidney beans (*Phaseolus vulgaris*), cowpeas (*Vigna unguiculata*) or lupin seeds (*Lupinus angustifolius*) by rats for up to 700 days: effects on body composition and organ weights. **73**, 17, 1995
Parathyroid hormone
Vitamin D deficiency: a concern in pregnant Asian women. **73**, 881, 1995
Particle size
Calcium solubilization and retention in the gastrointestinal tract in chicks (*Gallus domesticus*) as a function of gastric acid secretion inhibition and of calcium carbonate particle size. **73**, 125, 1995
Pea (*Pisum sativum*)
Immunological changes in growing mice fed on diets containing casein or peas (*Pisum sativum* var. Belinda) as the source of protein. **73**, 87, 1995
Physical activity
Energy intake, physical activity and body weight: a simulation model. **73**, 337, 1995
Energy expenditure, physical activity and basal metabolic rate of elderly subjects. **73**, 571, 1995
Plasma glucose
The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. **73**, 613, 1995
Platelets
The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. **73**, 605, 1995
Polyamines
The importance of dietary polyamines in cell regeneration and growth. **73**, 819, 1995
Polyethylene glycol
Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. **73**, 897, 1995
Polyvinyl pyrrolidone
Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. **73**, 897, 1995
Post-hatch birds
Early transition of the digestive system to exogenous nutrition in domestic post-hatch birds. **73**, 471, 1995
Postmenopausal women
Lactose intolerance and bone mass in postmenopausal Italian women. **73**, 479, 1995

Postprandial lipaemia
Chronic and postprandial responses of plasma insulin, glucose and lipids in volunteers given dietary fibre supplements. **73**, 733, 1995
Post-ruminal digestion
The role of the large intestine in post-ruminal digestion of feeds as measured by the mobile-bag method in cattle. **73**, 491, 1995
Pregnancy
The influence of dietary advice on nutrient intake during pregnancy. **73**, 163, 1995
Meal feeding and leucine utilization in pregnant rats. **73**, 253, 1995
Endogenous purine and pyrimidine derivative excretion in pregnant sows. **73**, 375, 1995
Erythrocyte levels compared with reported dietary intake of marine *n*-3 fatty acids in pregnant women. **73**, 387, 1995
Influence of exercise-induced maternal stress on fetal outcome in Wistar rats: inter-generational effects. **73**, 645, 1995
Vitamin D deficiency: a concern in pregnant Asian women. **73**, 881, 1995
Preterm infant
Long-chain polyene status of preterm infants with regard to the fatty acid composition of their diet: comparison between absolute and relative fatty acid levels in plasma and erythrocyte phospholipids. **73**, 405, 1995
Probiotics
The effect of a probiotic on faecal and liver lipid classes in rats. **73**, 701, 1995
Propionate
Effects of dietary propionate on hepatic glucose production, whole-body glucose utilization, carbohydrate and lipid metabolism in normal rats. **73**, 241, 1995
Protein
Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. **73**, 65, 1995
Pseudouridine
Endogenous purine and pyrimidine derivative excretion in pregnant sows. **73**, 375, 1995
Purine derivatives
Endogenous purine and pyrimidine derivative excretion in pregnant sows. **73**, 375, 1995
Rainbow trout
Feed consumption, growth and growth efficiency of rainbow trout (*Oncorhynchus mykiss* (Walbaum)) fed on diets containing a bacterial single-cell protein. **73**, 591, 1995
Regression models
Body mass index: a measure of fatness or leanness? **73**, 507, 1995
Resistant starch
Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. **73**, 111, 1995
Both raw and retrograded starch decrease serum triacylglycerol concentration and fat accretion in the rat. **73**, 287, 1995
Replacement of digestible by resistant starch lowers diet-induced thermogenesis in healthy men. **73**, 423, 1995
Retinoids
Retinoid metabolism in human leucocytes. **73**, 889, 1995
Riboflavin
Morphological changes in the rat small intestine in response to riboflavin depletion. **73**, 141, 1995
Rumen
A non-linear compartmental model to describe forage degradation kinetics during incubation in polyester bags in the rumen. **73**, 3, 1995
Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. **73**, 41, 1995
The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. **73**, 155, 1995
Rumen digestion
Models based on variable fractional digestion rates to describe ruminal *in situ* digestion. **73**, 793, 1995
Saliva
The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. **73**, 155, 1995
Saponins
Effect of oat saponins on plasma and liver lipids in gerbils (*Meriones unguiculatus*) and rats. **73**, 275, 1995
Satiety
The reproducibility of subjective appetite scores. **73**, 517, 1995
Selenium
Selenoprotein P and glutathione peroxidase (*EC* 1.11.1.9) in plasma as indices of selenium status in relation to the intake of fish. **73**, 455, 1995
Sepsis
Influence of antibiotics and food intake on liver glutathione and cytochrome P-450 in septic rats. **73**, 99, 1995
Serum lipids
The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. **73**, 605, 1995
Serum triacylglycerol
Octacosonal affects lipid metabolism in rats fed on a high-fat diet. **73**, 433, 1995
Shared bowls
Food intake in a West African village. Estimation of food intake from a shared bowl. **73**, 551, 1995
Short-chain fatty acids
Caecal and faecal short-chain fatty acids and stool output in rats fed on diets containing non-starch polysaccharides. **73**, 773, 1995
Silage
Passage rate and total clearance rate from the rumen of cows fed on grass silages differing in cell-wall content. **73**, 41, 1995
The effect of protein degradation products in grass silages on feed intake and intake behaviour in sheep. **73**, 51, 1995

Simulation model
Energy intake, physical activity and body weight: a simulation model. **73**, 337, 1995
Small intestine
Digestion of raw banana starch in the small intestine of healthy humans: structural features of resistant starch. **73**, 111, 1995
Abomasal glucose, maize starch and maize dextrin infusions in cattle: small-intestinal disappearance, net portal glucose flux and ileal oligosaccharide flow. **73**, 763, 1995
Smoking
Relationship between smoking and antioxidant nutrient status. **73**, 625, 1995
Sodium
Relationship between dietary sodium intake, aldosterone and colonic amiloride-sensitive Na^+ transport. **73**, 633, 1995
Stable-isotope technique
Effects of specific dietary sugars on the incorporation of ^{13}C label from dietary glucose into neutral sugars of rat intestine and serum glycoproteins. **73**, 443, 1995
Stable-isotopes
Effects of double-blind controlled calcium supplementation on calcium absorption in Chinese children measured with stable isotopes (^{42}Ca and ^{44}Ca). **73**, 311, 1995
Starch
Dietary intakes of starch and non-starch polysaccharides in a West African village. **73**, 655, 1995
Starch digestion
Abomasal glucose, maize starch and maize dextrin infusions in cattle: small-intestinal disappearance, net portal glucose flux and ileal oligosaccharide flow. **73**, 763, 1995
Starvation
Protein *v.* enzymic protein hydrolysates. Nitrogen utilization in starved rats. **73**, 65, 1995
Sugars
The glycaemic index of foods containing sugars: comparison of foods with naturally-occurring *v.* added sugars. **73**, 613, 1995
Tannins
Dietary effects of faba-bean (*Vicia faba* L.) tannins on the morphology and function of the small-intestinal mucosa of weaned pigs. **73**, 31, 1995
Formation of complexes between polyvinyl pyrrolidones or polyethylene glycols and tannins, and their implication in gas production and true digestibility in *in vitro* techniques. **73**, 897, 1995
Testes
Lipid–zinc interaction: its effect on the testes of mice. **73**, 723, 1995
Tin
High tin intake reduces copper status in rats through inhibition of copper absorption. **73**, 863, 1995
***Trans* fatty acids**
The proportion of *trans* monounsaturated fatty acids in serum triacylglycerols or platelet phospholipids as an objective indicator of their short-term intake in healthy men. **73**, 605, 1995
Triacylglycerols
Effect of the lipase inhibitor orlistat and of dietary lipid on the absorption of radiolabelled triolein, tri-γ-linolenin and tripalmitin in mice. **73**, 851, 1995
Triiodothyronine
Protein and energy relationships in the broiler chicken 12. Dietary protein and triiodothyronine (T_3) effects on the response of broilers to isoproterenol and cyclic adenosine monophosphate *in vitro*. **73**, 73, 1995
Turkey poults
Early transition of the digestive system to exogenous nutrition in domestic post-hatch birds. **73**, 471, 1995
Undernutrition
Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. **73**, 209, 1995
Urea
Hepatic detoxification of ammonia in the ovine liver: possible consequences for amino acid catabolism. **73**, 667, 1995
Urinary nitrogen
Validation of weighed records and other methods of dietary assessment using the 24 h urine nitrogen technique and other biological markers. **73**, 531, 1995
Vegetarian diet
Influence of a mixed and a vegetarian diet on urinary magnesium excretion and concentration. **73**, 783, 1995
Villus morphology
Morphological changes in the rat small intestine in response to riboflavin depletion. **73**, 141, 1995
Viscera
Adaptation of energy metabolism to undernutrition in ewes. Contribution of portal-drained viscera, liver and hindquarters. **73**, 209, 1995
The influence of dietary fibre on body composition, visceral organ weight, digestibility and energy balance in rats housed in different thermal environments. **73**, 687, 1995
Visual analogue scale
The reproducibility of subjective appetite scores. **73**, 517, 1995
Vitamin A
Relationship between smoking and antioxidant nutrient status. **73**, 625, 1995
Vitamin C
Relationship between smoking and antioxidant nutrient status. **73**, 625, 1995
Vitamin D
Vitamin D deficiency: a concern in pregnant Asian women. **73**, 881, 1995
Vitamin E
Relationship between smoking and antioxidant nutrient status. **73**, 625, 1995
Water absorption
The use of intragastric nutrition to study saliva secretion and the relationship between rumen osmotic pressure and water transport. **73**, 155, 1995

Water-holding capacity
The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. **73**, 191, 1995

West Africa
Food intake in a West African village. Estimation of food intake from a shared bowl. **73**, 551, 1995
Dietary intakes of starch and non-starch polysaccharides in a West African village. **73**, 655, 1995

Wheat bran
The voluntary feed intake of pigs given feeds based on wheat bran, dried citrus pulp and grass meal, in relation to measurements of feed bulk. **73**, 191, 1995

Whey-mineral complex
Trace lipid from whey-mineral complex enhances calcium availability in young ovariectomized rats. **73**, 299, 1995

Whole-body protein turnover
Effects of long-term protein excess or deficiency on whole-body protein turnover in sheep nourished by intragastric infusion of nutrients. **73**, 829, 1995

Zinc
Lipid–zinc interaction: its effect on the testes of mice. **73**, 723, 1995

Zinc deficiency
Analysis of cyclic feed intake in rats fed on a zinc-deficient diet and the level of dihydropyrimidinase (*EC* 3.5.2.2). **73**, 711, 1995